

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all previous versions and listings of claims in this application.

Claim Listing:

Claims 1-32: (Canceled).

33. (New) A method comprising:

determining services accessible via a subscription having an account and at least a first limit in a communication system;

defining at least a first set of services and a second set of services to be used with the subscription, each set of services defining services accessible via the subscription;

using in the communication system access point names to define where and how to connect the user of the subscription;

defining a first access point name for the first set of services;

defining a second access point name for the second set of services;

comparing the balance of the account with the first limit;

selecting, in response to the result of the comparison, an access point name to be used with this connection, wherein

the first access point name is selected when the balance of the account does not reach the first limit; and

the second access point name is selected when the balance reaches the first limit.

34. (New) A method as claimed in claim 33, the communication system comprising a firewall, the method further comprising defining accessible services via a set of services by defining at least a firewall configuration for the set of services.

35. (New) A method as claimed in claim 33, the method further comprising defining accessible services via a set of services by defining at least a range of allowed addresses for the set of services.

36. (New) A method as claimed in claim 33, the method further comprising indicating the set of services which is to be used by charging characteristics to be applied.

37. (New) A method as claimed in claim 33, the second set of services comprising free of charge services.

38. (New) A method as claimed in claim 33, the second set of services being a subset of the first set of services.

39. (New) A method as claimed in claim 33, the method further comprising informing the user of the subscription of the services accessible via the second set of services in response to using the second set of services.

40. (New) A method as claimed in claim 33, wherein:

the subscription is a postpaid subscription;

the first limit is the maximum allowed amount of the bill; and

the balance of the account indicates the amount of the bill to be charged from the subscription.

41. (New) A method as claimed in claim 33, wherein:

the subscription is a prepaid subscription;

the first limit is the preset minimum value for the account; and

the balance of the account indicates the amount of money the subscriber still has in use.

42. (New) A method as claimed in claim 41, wherein at least the second set of services comprises a depositing service.

43. (New) A method as claimed in claim 42, wherein the depositing service utilizes authentication of the communication system when authenticating the one who wants to deposit.

44. (New) A communication system providing a subscription with an account and at least a first limit, the communication system comprising:

a first node that monitors a balance of the account;

a memory that stores definitions of at least a first set of services associated with a first access point name and a second set of services associated with a second access point name to be used with the subscription, each set of services defining services accessible via the subscription,

wherein the first node compares the balance of the account with the first limit, and selects, in response to the result of the comparison, an access point name to be used with this connection,

wherein the first access point name is selected when the balance of the account does not reach the first limit and the second access point name is selected when the balance reaches the first limit.

45. (New) An apparatus in a communication system providing a subscription with an account and at least a first limit, the apparatus being arranged to use access point names to define where and how to connect the user of the subscription and monitor the balance of the account, wherein the apparatus is arranged to:

associate a first access point name with a first set of services, and a second access point name with a second set of services, both sets of services defining services accessible via the subscription;

compare the balance of the account with the first limit;

select, in response to the result of the comparison, an access point name to be used with this connection,

wherein the first access point name is selected when the balance of the account does not reach the first limit and the second access point name is selected when the balance reaches the first limit.

46. (New) A apparatus in a communication system providing a subscription with an account and at least a first limit, the apparatus being arranged to monitor the balance of the account, wherein:

the apparatus is arranged to

associate a first access point name with a first set of services and a second access point name with the second set of services, both sets of services accessible via the subscription;

communicate with a second apparatus;

compare the balance of the account with the first limit;

select in response to the result of the comparison, an access point name to be used with this connection, wherein the first access point name is selected when the balance of the account does not reach the first limit the second access point name is selected when the balance reaches the first limit, and

indicate to the second apparatus the selected access point name.

47. (New) A apparatus as claimed in claim 46, wherein the apparatus is arranged to indicate the selected access point name in response to the balance reaching the limit and in response to the balance not any more reaching the limit.

48. (New) A apparatus in a communication system providing a subscription, wherein the apparatus is arranged to

store a first access point name used in the communication system to define where and how to connect to the user of the subscription;

provide access to a first set of services via a connection accessible to the subscription using the first access point name;

receive from the communication system an indication indicating the use of a second set of services for the connection, the indication of the set of services being received as a second access point name and in response to receiving the indication to

modify the stored first access point name with the received second access point name, and

provide access only to services included in the indicated second set of services using the second access point name.

49. (New) A apparatus as claimed in claim 48, wherein the apparatus is arranged, in response to receiving the indication, to inform the user of the subscription of the services accessible via the indicated certain set of services.

50. (New) A apparatus as claimed in claim 48, wherein the apparatus is an application server.

51. (New) A method of determining services accessible via a subscription having an account and at least a predetermined first limit in a communication system, the method comprising:

maintaining definitions of at least a first set of services and a second set of services to be used with the subscription, each set of services defining services accessible via the subscription, the second set of services being a subset of the first set of services and comprising services which are not charged from the subscriber;

comparing the balance of the account with the first limit;

deciding on the basis of the comparison, which set of services, among said at least the first set of services and the second set of services, can be used;

using the first set of services when the balance of the account does not reach the first limit; and

using the second set of services when the balance reaches the first limit.

52. (New) A processor comprising program code configuring an apparatus in a communication system to:

use access point names to define where and how to connect the user of the subscription;

provide a subscription with an account and at least a first limit;

associate a first access point name with a first set of services, and a second access point name with a second set of services, both sets of services defining services accessible via the subscription;

monitor a balance of the account;

compare the balance with the first limit;

select, in response to the result of the comparison, an access point name to be used with this connection in response to the result of the comparison, wherein

the first access point name is selected when the balance of the account does not reach the first limit and

the second access point name is selected when the balance reaches the first limit.

53. (New) A processor comprising program code configuring an apparatus in a communication system to

use access point names to define where and how to connect the user of the subscription;

provide a subscription with an account and at least a first limit,

associate a first access point name with a first set of services, and a second access point name with a second set of services, both sets of services defining services accessible via the subscription;

communicate with a second apparatus;

compare the balance with the first limit;

select, in response to the result of the comparison, an access point name to be used with this connection wherein

the first access point name when the balance of the account does not reach the first limit and

the second access point name is selected when the balance reaches the first limit; and

indicate, in a form of the selected access point name to the second apparatus, which set of services from among at least two different sets of services defined for the subscription is the allowed set of services on the basis of said comparison.

54. (New) A processor as claimed in claim 53, further comprising program code configuring the apparatus to indicate the allowed set of services in response to the balance reaching the limit and in response to the balance not any more reaching the limit.

55. (New) A processor comprising program code configuring an apparatus in a communication system to:

provide a subscription,

store a first access point name used in the communication system to define where and how to connect the user of the subscription;

provide access to a first set of services accessible via a connection to the subscription using the first access point name;

receive from the communication system an indication indicating the use of a second set of services for the connection and the indication of the set of services being received as a second access point name used in the communication system to define where and how to connect the user of the subscription; and, in response to receiving the indication, to

modify the stored first access point name with the received second access point name, and

provide access only to services included in the indicated second set of services using the second access point name.

56. (New) A processor as claimed in claim 55, further comprising program code configuring the apparatus to, in response to receiving the indication, inform the user of the subscription of the services accessible via the indicated certain set of services.

57. (New) A computer readable medium encoding a computer program of instructions for executing a computer process for determining services accessible via a subscription having an account and at least a first limit in a communication system, the process comprising:

defining at least a first set of services and a second set of services to be used with the subscription, each set of services defining services accessible via the subscription;

using in the communication system access point names to define where and how to connect the user of the subscription;

defining a first access point name for the first set of services;

defining a second access point name for the second set of services;

comparing the balance of the account with the first limit;

selecting, in response to the result of the comparison, an access point name to be used with this connection, wherein

the first access point name is selected when the balance of the account does not reach the first limit; and

the second access point name is selected when the balance reaches the first limit.

58. (New) An apparatus configured to:

determine services accessible via a subscription having an account and at least a predetermined first limit in a communication system;

maintain definitions of at least a first set of services and a second set of services to be used with the subscription, each set of services defining services accessible via the subscription, the second set of services being a subset of the first set of services and comprising services which are not charged from the subscriber;

compare the balance of the account with the first limit;

decide on the basis of the comparison, which set of services, among said at least the first set of services and the second set of services, can be used;

use the first set of services when the balance of the account does not reach the first limit; and

use the second set of services when the balance reaches the first limit.

59. (New) A processor configured to:

determine services accessible via a subscription having an account and at least a predetermined first limit in a communication system;

maintain definitions of at least a first set of services and a second set of services to be used with the subscription, each set of services defining services accessible via the subscription,

the second set of services being a subset of the first set of services and comprising services which are not charged from the subscriber;

compare the balance of the account with the first limit;

decide on the basis of the comparison, which set of services, among said at least the first set of services and the second set of services, can be used;

use the first set of services when the balance of the account does not reach the first limit;
and

use the second set of services when the balance reaches the first limit.

60. (New) A computer readable medium encoding a computer program of instructions for executing a computer process comprising:

determining services accessible via a subscription having an account and at least a predetermined first limit in a communication system,

maintaining definitions of at least a first set of services and a second set of services to be used with the subscription, each set of services defining services accessible via the subscription, the second set of services being a subset of the first set of services and comprising services which are not charged from the subscriber;

comparing the balance of the account with the first limit;

deciding on the basis of the comparison, which set of services, among said at least the first set of services and the second set of services, can be used;

using the first set of services when the balance of the account does not reach the first limit; and

using the second set of services when the balance reaches the first limit.

61. (New) An apparatus comprising:

means for determining services accessible via a subscription having an account and at least a predetermined first limit in a communication system;

means for maintaining definitions of at least a first set of services and a second set of services to be used with the subscription, each set of services defining services accessible via the subscription, the second set of services being a subset of the first set of services and comprising services which are not charged from the subscriber;

means for comparing the balance of the account with the first limit;

means for deciding on the basis of the comparison, which set of services, among said at least the first set of services and the second set of services, can be used;

means for using the first set of services when the balance of the account does not reach the first limit; and

means for using the second set of services when the balance reaches the first limit.

62. (New) A method as claimed in claim 51, wherein the comparing is performed during activating a connection and the method further comprises:

indicating which set of services is to be used with the connection; and in response to activating the connection with access to the first set of services to trigger deactivation of the connection when the balance reaches the first limit.

63. (New) A method as claimed in claim 51, comprising:

communicating with an apparatus in a communication system maintaining subscription information including at least an indication indicating an allowed set of services for the subscription;

directing, when the balance reaches the first limit, the apparatus to set the second set of services as the allowed set of services and in response to the balance not any more reaching the first limit after reaching the first limit,

directing the apparatus to set the first set of services as the allowed set of services.

64. (New) An apparatus according to claim 58, wherein the comparison is performed during activating a connection and the apparatus is further configured to:

indicate which set of services is to be used with the connection; and in response to activating the connection with access to the first set of services to trigger deactivation of the connection when the balance reaches the first limit.

65. (New) An apparatus according to claim 58 configured to:

communicate with a second apparatus in a communication system maintaining subscription information including at least an indication indicating an allowed set of services for the subscription;

direct, when the balance reaches the first limit, the second apparatus to set the second set of services as the allowed set of services and in response to the balance not any more reaching the first limit after reaching the first limit,

direct the second apparatus to set the first set of services as the allowed set of services.

66. (New) A processor according to claim 59 wherein the comparison is performed during activating a connection and the processor is further configured to:

indicate which set of services is to be used with the connection; and in response to activating the connection with access to the first set of services to trigger deactivation of the connection when the balance reaches the first limit.

67. (New) A processor according to claim 59 configured to:

communicate with a second apparatus in a communication system maintaining subscription information including at least an indication indicating an allowed set of services for the subscription;

direct, when the balance reaches the first limit, the second apparatus to set the second set of services as the allowed set of services and in response to the balance not any more reaching the first limit after reaching the first limit,

direct the second apparatus to set the first set of services as the allowed set of services.

68. (New) A computer readable medium according to claim 60, wherein the comparing is performed during activating a connection and the method further comprises:

indicating which set of services is to be used with the connection; and in response to activating the connection with access to the first set of services to trigger deactivation of the connection when the balance reaches the first limit.

69. (New) A computer readable medium according to claim 60, wherein the computer process further comprises:

communicating with an apparatus in a communication system maintaining subscription information including at least an indication indicating an allowed set of services for the subscription;

directing, when the balance reaches the first limit, the apparatus to set the second set of services as the allowed set of services and in response to the balance not any more reaching the first limit after reaching the first limit,

directing the apparatus to set the first set of services as the allowed set of services.

70. (New) An apparatus according to claim 61, wherein the comparing is performed during activating a connection and the apparatus further comprises:

means for indicating which set of services is to be used with the connection; and in response to activating the connection with access to the first set of services to trigger deactivation of the connection when the balance reaches the first limit.

71. (New) An apparatus according to claim 61 comprising:

means for communicating with a second apparatus in a communication system maintaining subscription information including at least an indication indicating an allowed set of services for the subscription;

means for directing, when the balance reaches the first limit, the second apparatus to set the second set of services as the allowed set of services and in response to the balance not any more reaching the first limit after reaching the first limit,

means for directing the second apparatus to set the first set of services as the allowed set of services.